

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/13852

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ G01N35/08, 27/26, 30/48, 37/00, B01D57/02, B81C1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ G01N35/08-35/10, 27/26-27/49, 30/00-30/96, 37/00,
B01D57/02, B81C1/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

JOIS (JICST FILE)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	SANO, BABA, IGUCHI, IIDA, KAWAURA, SAKAMOTO, Dai 63 Kai Extended Abstracts; The Japan Society of Applied Physics, separate Vol.3, 24 September, 2002 (24.09.02), page 1146 (25a-R-8)	1-26
Y	US 6027623 A (Toyo Technologies, Inc.), 22 February, 2000 (22.02.00), Full text; Figs. 1 to 4 (Family: none)	1-26
Y	JP 9-504362 A (British Technology Group USA Inc.), 28 April, 1997 (28.04.97), Page 24, line 13 to page 25, line 5; Fig. 7 & WO 94029707 A & US 5427663 A & EP 711412 A & US 5837115 A & CA 2164720 A	1-26

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to
"A" document defining the general state of the art which is not considered to be of particular relevance	understand the principle or theory underlying the invention
"E" earlier document but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	step when the document is taken alone
"O" document referring to an oral disclosure, use, exhibition or other means	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is
"P" document published prior to the international filing date but later than the priority date claimed	combined with one or more other such documents, such combination being obvious to a person skilled in the art
	"&" document member of the same patent family

Date of the actual completion of the international search
05 February, 2004 (05.02.04)

Date of mailing of the international search report
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Name and mailing address of the ISA/
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INTERNATIONAL SEARCH REPORT

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 2002/023180 A (Hitachi, Ltd.), 21 March, 2002 (21.03.02), Full text; Figs. 1 to 14 (Family: none)	17,21-26
Y	JP 2002-310992 A (Hitachi Electronics Engineering Co., Ltd.), 23 October, 2002 (23.10.02), Par. Nos. [0014] to [0016]; Figs. 1 to 4 (Family: none)	18
Y	JP 2002-55098 A (Nippon Columbia Co., Ltd.), 20 February, 2002 (20.02.02), Par. Nos. [0026] to [0035]; Fig. 3 (Family: none)	21-26
A	JP 8-327594 A (Shimadzu Corp.), 13 December, 1996 (13.12.96), Full text; Figs. 1 to 7 (Family: none)	1-26
A	JP 2001-183363 A (Roche Diagnostics Corp.), 06 July, 2001 (06.07.01), Full text; Figs. 1 to 6 & EP 1096254 A & US 6319719 B & CA 2324131 A	1-26
A	JP 2-112755 A (Fuji Photo Film Co., Ltd.), 25 April, 1990 (25.04.90), Full text; Figs. 1 to 4 (Family: none)	17
A	JP 7-43344 A (The Institute of Physical and Chemical Research), 14 February, 1995 (14.02.95), Full text; Figs. 1 to 8 (Family: none)	17
A	JP 2001-324471 A (Japan Science and Technology Corp.), 22 November, 2001 (22.11.01), Par. Nos. [0030] to [0036]; Fig. 1 (Family: none)	21-26
A	Marko T. Blom, Han J.G.E. Gradeniers, Albert van den Berg Analytical Chemistry, 15 July, 2002 (15.07.02), Vol.74, No.14, pages 3470 to 3475	1-26
A	James P. Novak, Charles Nickerson, Stefan Franzen, Daniel L. Feldheim Analytical Chemistry, 01 December, 2001 (01.12.01), Vol.73, No.23, pages 5758 to 5761	1-26